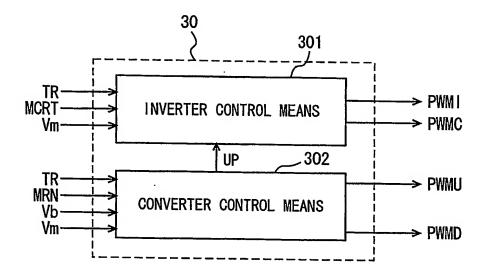


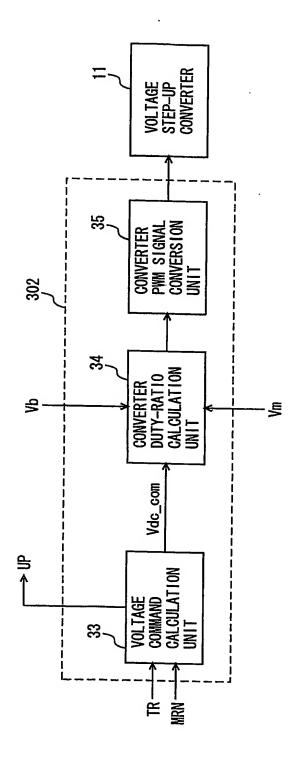
F I G. 2



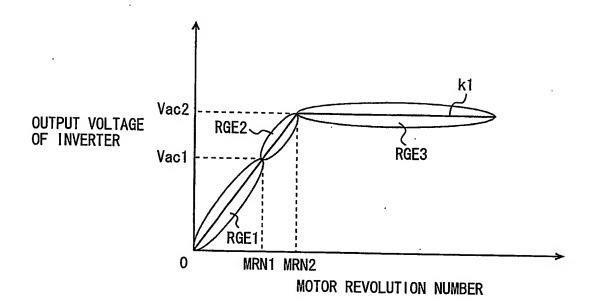
INVERTER INVERTER PWM SIGNAL CONVERSION UNIT EXC PHASE VOLTAGE
CALCULATION UNIT
FOR MOTOR CONTROL MOTOR CONTROL Unit Vm MCRT Vac က Ġ LL.

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F I G. 4



F I G. 5



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工脈 OVERMODULATION OR PWM RECTANGULAR WAVE RECTANGULAR WAYE **t**4 <u>S</u> **t**3 OVERMODULATION PWM OVERMODULATION **t**2 두 VOLTAGE COMMAND VALUE TORQUE COMMAND VALUE CONVENTIONAL CONTROL MODE CONTROL MODE OF THE INVENTION

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FIG.

TIME OVERMODÚLATION OR PWM RECTANGULAR WAVE **t4** <u>S</u> ~ **t**3 OVERMODULATION PWM 42 Ħ VOLTAGE COMMAND VALUE CONVENTIONAL TORQUE COMMAND VALUE TORQUE COMMAND VALUE OF THE INVENTION CONTROL MODE OF THE INVENTION

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RECTANGULAR WAVE **t**4 **4**4 **t**3 PWM 42 [] VOLTAGE COMMAND VALUE CONVENTIONAL TORQUE COMMAND VALUE CONTROL MODE TORQUE COMMAND VALUE OF THE INVENTION ∞ FIG.

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